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Report to Joint Legislative Oversight Committee on Information Technology January 10, 2008

State CIO George Bakolia



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Topics

⌘ Western Data Center

⌘ Asset Management

⌘ Statewide authorization and authentication system – (NCID)

⌘ Questions



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Western Data Center

- ⌘ Installing servers and other equipment
- ⌘ Will begin testing by early February
- ⌘ Completed on time and within budget
- ⌘ ITS will back up all core services by June 30 and end contract with out-of-state vendor



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Benefits

- ⌘ Reduce recovery time from days to hours
- ⌘ Spend taxpayer \$ in NC
- ⌘ Double the state's computing power and increase flexibility
- ⌘ Major plum for NC
 - ☑ Oklahoma visited site
 - ☑ Inquiries from S.C. and Georgia
 - ☑ Tennessee just announced similar effort



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Background

- ⌘ Study in 2004 identified need for fully redundant, round-the-clock disaster recovery capability
 - ☑ Growth causing strain on outside vendor's capacity at single recovery site
 - ☑ Escalating cost of contract because of additional needs
 - ☑ Growing recognition of critical business programs and consolidation requirements
 - ☑ Finite floor space and power capacity at main ITS site in Raleigh



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Timeline

- ⌘ 2006 Session -- General Assembly authorizes \$24.8 million in borrowing for construction
- ⌘ August 2006 --Council of State approves financing
- ⌘ September 2006 – Groundbreaking
- ⌘ 2007 Session – General Assembly approves \$8 million for equipment
- ⌘ October 2007 – Construction completed; state assumes ownership



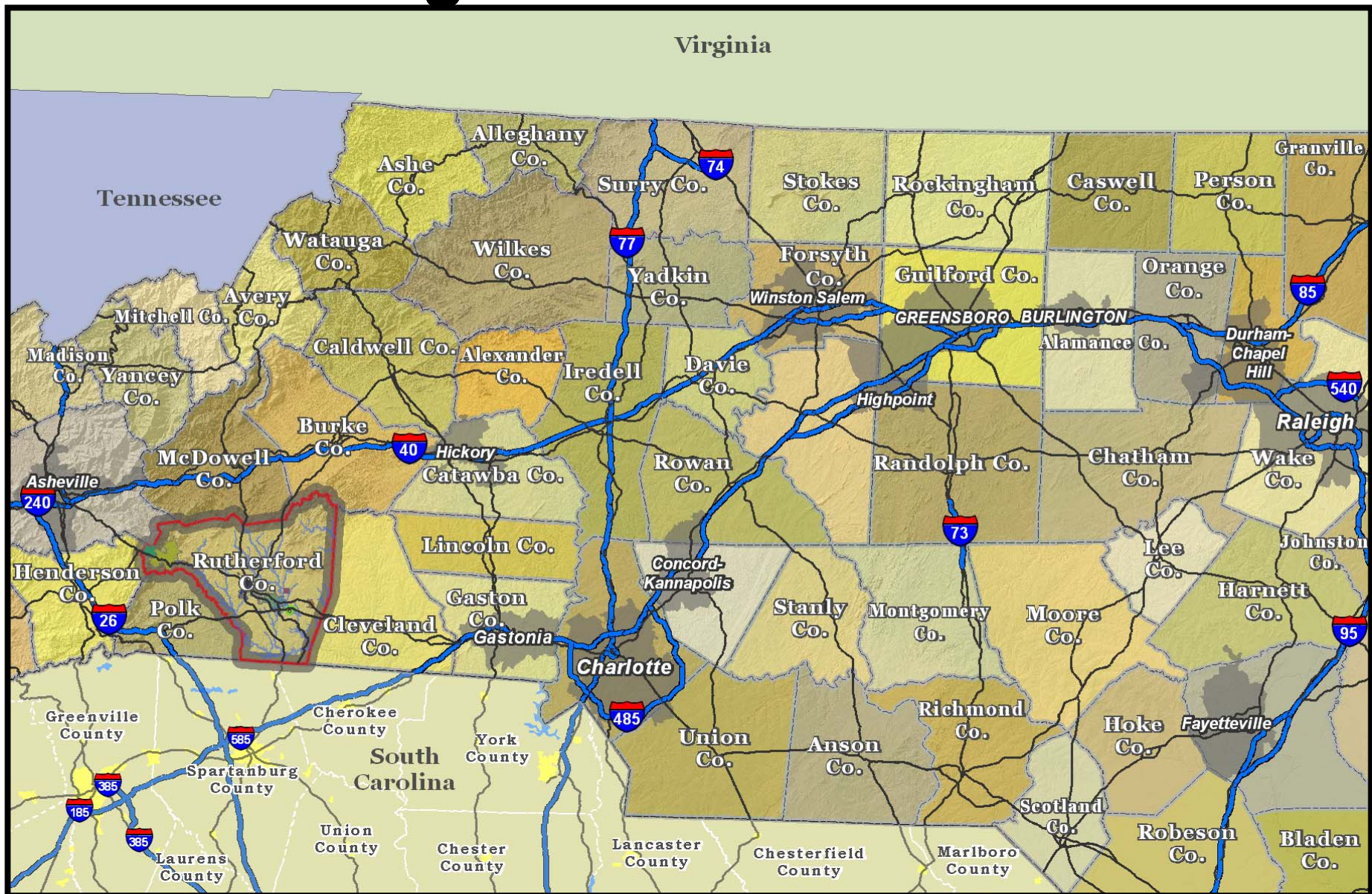
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Site Selection

⌘ Location

- ☒ Study recommended site in Western NC
 - ☒ Physical separation from Raleigh in case of hurricane, ice storm, earthquake, homeland security incident
- ☒ Looked at 20 counties, 20+ sites
- ☒ Worked with NC Emergency Management, State Construction Office, Department of Commerce
- ☒ U.S. Dept. of Homeland Security, Dept. of Interior

Raleigh to WDC – 220 miles







~20,000 cubic yards of earth moved





OCT 9 2006

~120 tons of rebar
~2,500 cubic yards or ~5,100 tons of concrete





Pre-Cast Double T Roof Beams –
Span 85 feet over raised floor, 43,000 lbs each





Pre-Cast Concrete Panels – 12' W x 30' H, 10"
thick weighing 32,468 lbs each

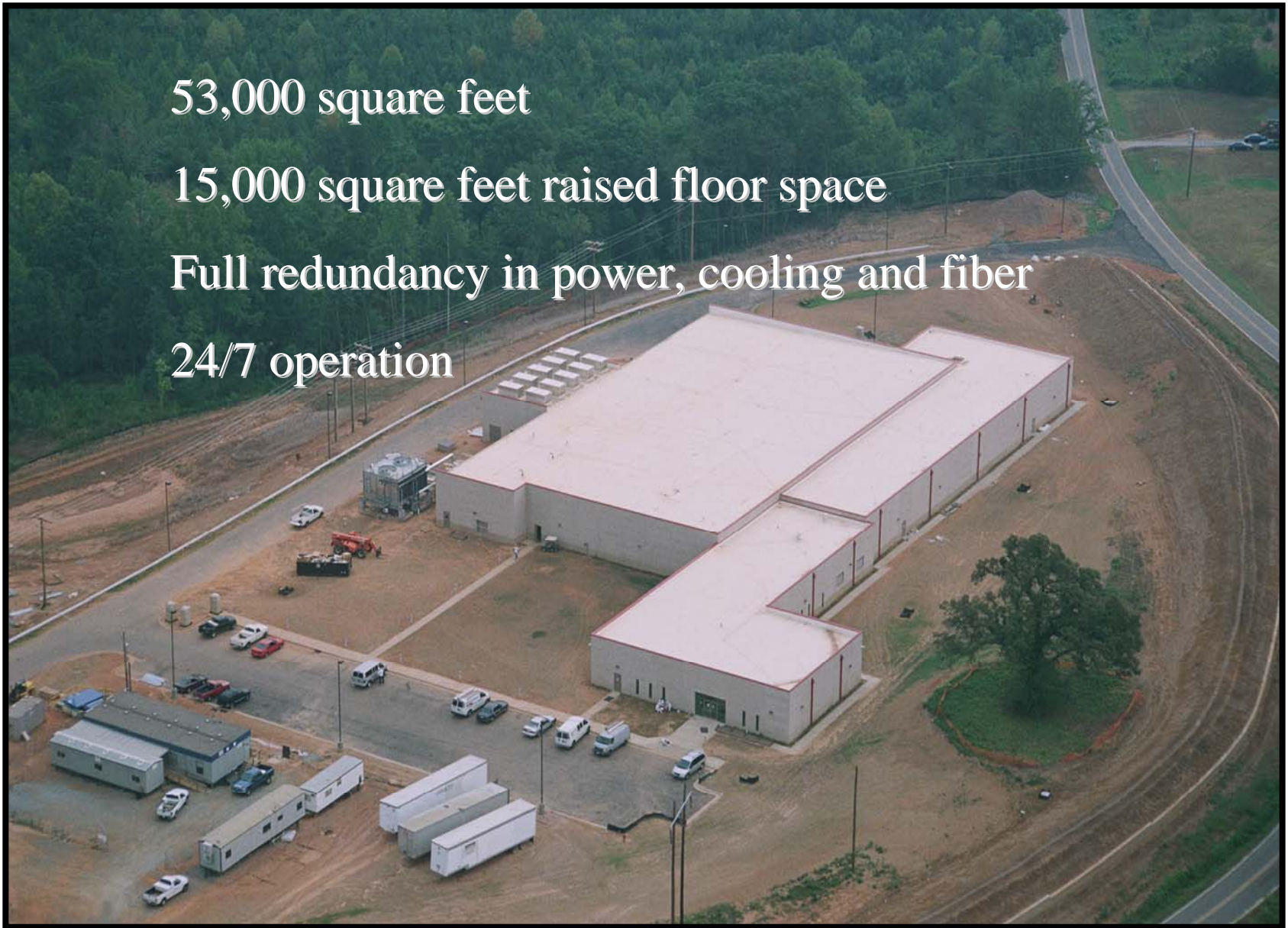
11/17/2006

53,000 square feet

15,000 square feet raised floor space

Full redundancy in power, cooling and fiber

24/7 operation



Computer Room





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Asset Management

⌘ Active management of IT assets

⌘ Personal computers, servers, printers, software, applications and contracts

⌘ From planning to purchasing, installation, use, retirement and replacement



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Asset Management

- ⌘ Both status accounting (where is it) and financial accounting (when and how was it purchased)
- ⌘ System integrated with both e-procurement and NC Accounting System
- ⌘ Helps identify when assets are due for replacement, software and security packages on personal computers, when computer removed from state network



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Asset Management

⌘ Status

- ☑ Business-oriented RFP written, bids evaluated and contract awarded late 2006-2007
- ☑ Software is Remedy, ranked as one of the best by independent researchers
- ☑ Core system installed and ready for operation June 2007
- ☑ Detailed information collected and loaded from seven agencies



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Asset Management

⌘ Next steps

- ☑ Continue implementation in conjunction with consolidation
- ☑ Next quarter will be much larger in scope
 - ☒ 4,200 personal computers vs. 1,100
 - ☒ 271 servers vs. 80
 - ☒ 241 locations vs. 31
- ☑ Ongoing effort until all executive branch agencies on system



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NCID

- ⌘ Log-in and password authentication system
- ⌘ For use by state and local government employees, businesses and citizens
- ⌘ Benefits include simplified administration and improved security



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NCID

⌘ More than 65,000 users currently

- ☑ > 49,400 state employees
- ☑ > 5,700 local government employees
- ☑ > 6,200 businesses
- ☑ > 3,550 individuals

⌘ Numbers will more than double this calendar year



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NCID

⌘ Major uses

- ⌘ Statewide business programs
 - ⌘ BEACON
 - ⌘ NCMail
 - ⌘ Common Payment Services
 - ⌘ ORBiT (New state retirement system)



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Conclusion

⌘ These just three of State CIO's initiatives

⌘ Others include:

- ☒ Consolidation of IT infrastructure
- ☒ Move to centralized e-mail
- ☒ Electronic Document Management
- ☒ Bulk purchasing of personal computers and printers
 - ☒ > \$27 million in savings off state contract prices since November 2004

⌘ All initiatives fit within Statewide IT Plan and all are in line with private sector and state governments elsewhere

⌘ Will be glad to discuss these – or any other topic – at any time.

⌘ Questions?